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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re United States Patent Application of:)	Docket No.:	4115-189
Applicants:)	Conf. No.:	4516
Application No.:)	Art Unit:	1648
Date Filed:)	Examiner:	Not yet assigned
Title:)	Customer No.:	23448
CARBOHYDRATE-BASED SYNTHETIC VACCINES FOR HIV)		

FACSIMILE TRANSMISSION CERTIFICATE

Fax No. (571) 273-8300

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Number of Pages (including cover)


Candace White

March 31, 2006

Date

SUBMISSION OF POWER OF ATTORNEY AND STATEMENT UNDER
37 CFR 3.73(b) FOR U.S. PATENT APPLICATION NO. 10/531,124

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

Enclosed and submitted herewith is a Power of Attorney to Prosecute Applications before the USPTO (Form PTO/SB/80), and a Statement Under 37 CFR 3.73(b) (Form PTO/SB/96) for the

4115-189

above-identified U.S. patent application.

Respectfully submitted,



Steven J. Hultquist
Reg. No. 28,021
Attorney for Applicants

INTELLECTUAL PROPERTY/
TECHNOLOGY LAW
Phone: (919) 419-9350
Fax: (919) 419-9354
Attorney File No.: 4115-189

Enclosures:

Power of Attorney to Prosecute Applications Before USPTO (Form PTO/SB/80) [1 pg.]

Statement under 37 CFR 3.73(b) (Form PTO/SB/96) [1 pg.]

Copies of Assignments for Assignment History [5 pgs.]

The USPTO is hereby authorized to charge any deficiency or credit any overpayment of fees properly payable for this document to Deposit Account No. 08-3284

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PTO/SB/80 (04-06)

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POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b).

I hereby appoint:

☒ Practitioners associated with the Customer Number:

23448

AND

☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent application assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Please recognize or change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:

☒ The address associated with Customer Number:

23448

OR

☐ Firm or Individual Name

Address

City

Country

State

Zip

Telephone

Email


Assignee Name and Address:

University of Maryland Biotechnology Institute
Off. of Research Admin./ Tech. Dev.
701 E. Pratt Street, Suite 200
Baltimore, MD 21202

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/86 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73 (b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature		Date	2/2/06
Name	Dean A. Drake	Telephone	410-285-6330
Title and Company	Associate Vice President for Research and Development		

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☒ Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: University of Maryland Biotechnology InstituteApplication No./Patent No.: 10/531,124Filed/Issued Date: April 11, 2005Entitled: **CARBOHYDRATE-BASED SYNTHETIC VACCINES FOR HIV**University of Maryland Biotechnology Institute

(Name of Assignee)

, a University

(Type of Assignee, e.g., corporation, partnership, university, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title, and interest.
The extent (by percentage) of its ownership interest is _____ %

In the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel/Frame 016422/0482, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

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☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Signature_____
March 31, 2006

Date

Steven J. Hultquist
Printed or Typed Name_____
(919) 419-9350

Telephone Number

Attorney for Applicants
Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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STEVEN J. HULTQUIST
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RECORDATION DATE: 06/27/2005

REEL/FRAME: 016422/0482
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).
DOCKET NUMBER: 4115-189

ASSIGNOR:
WANG, LAI-XI ✓

DOC DATE: 06/02/2005 ✓

ASSIGNEE:
UNIVERSITY OF MARYLAND ✓
BIOTECHNOLOGY INSTITUTE
701 E. PRATT STREET, SUITE 200 ✓
BALTIMORE, MARYLAND 21202

SERIAL NUMBER: 10531124 ✓

FILING DATE: 06/30/2005 ✓
ISSUE DATE:

PATENT NUMBER:

TITLE: CARBOHYDRATE-BASED SYNTHETIC VACCINES FOR HIV ✓

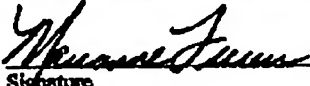
571-876-4200 (PCT)

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SHARON BROOKS, EXAMINER X
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06/27/2005
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Attorney Docket No. 4115-189

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.	
1. Name of conveying party (ies): LAI-XI WANG Additional name(s) of conveying party (ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party (ies) University of Maryland Biotechnology Institute 701 E. Pratt Street, Suite 200 Baltimore, Maryland 21202
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Security Agreement <input type="checkbox"/> Other: _____ <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name	
Execution Date: June 2, 2005	
Application number(s) or patent number (s): 10/531,124 If this document is being filed together with a new application, the execution date of the application is: _____ A. Patent Application No. (s) 10/531,124 B. Patent No. (s) Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4. Name and address of party to whom correspondence concerning document should be mailed: Name: Steven J. Hultquist Company Name: Intellectual Property/Technology Law Street Address: P.O. Box 14329 City: Research Triangle Park State: NC Zip: 27709	6. Total Number of applications and patents involved: <u>1</u> 7. Total fee (37 C.F.R. 3.41).....\$ <u>40.00</u> <input checked="" type="checkbox"/> Enclosed Credit Card Payment Form <input checked="" type="checkbox"/> Authorized to charge any deficiency or credit any overpayment to deposit account 8. Deposit account Number: <u>08-3284</u> (Attach duplicate copy of this page if paying by deposit account)
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9. State and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Marianne Fulerer Name of person signing  Signature June 27, 2005 Date Total number of pages including cover sheet, attachments and documents: 3	

OP \$40.00 10531124

Docket No.: 4115-189

ASSIGNMENT

I, LAI-XI WANG

have made an invention the specification of which is described in:

- ☒ U.S. Patent Application No. 10/531,124 filed in the United States Patent and Trademark Office on 4/11/2005, or
- ☐ the U.S. patent application filed herewith in the United States Patent and Trademark Office entitled:

"CARBOHYDRATE-BASED SYNTHETIC VACCINES FOR HIV"

I hereby assign to University of Maryland Biotechnology Institute, 701 E. Pratt Street, Suite 200, Baltimore, Maryland all ownership and rights in:

- (i) the invention and U.S. Patent Application;
- (i) continuing, divisional and continuation-in-part applications based on and claiming priority of said U.S. Patent Application;
- (iii) U.S. Patents on the invention; and
- (iv) corresponding foreign patent applications and patents.

I am making this assignment based on my employment relationship with University of Maryland Biotechnology Institute.

I respectfully request the Commissioner for Patents of the United States and the appropriate officers of all foreign countries to issue patents on the invention to:

University of Maryland Biotechnology Institute

as owners of the invention and aforementioned patent rights.

I agree to execute any other legal documents that may be required to effectuate this Assignment.

I agree that I will promptly communicate to University of Maryland Biotechnology Institute all facts which come to my attention affecting the invention or patent rights.

I agree that I will testify in any interference or litigation involving the invention or patent rights.

I declare that I have not done anything in conflict with this Assignment.

Page 1 of 2

Docket No.: 4115-189

LAI-XI WANG 6/2/05
Date